

Lindsey Lake Tanker Truck Spill Incident Action Plan (IAP)

Operational Period #5
From 2/19/2019 @ 0700
To 2/20/2019 @ 0700



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|---------------------------------------------------------------------|----------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------|
| 1. Incident Name Lindsey Lake Tanker Spill I-84, MP 54 | | OERS 2019-0334 NRC#1237421 | 2. Operational Period to be covered by IAP (Date/Time) From: 19 Feb 2019 / 0700 To: 20 Feb 2019 / 0700 | IAP COVER SHEET |
| 3. Approved by Incident Commander(s): | | | | |
| <u>ORG</u> | <u>NAME</u> | | | |
| FOSC (EPA) | Jeff Fowlow | <i>[Signature]</i> | 2/18/2019 | |
| SOSC (DEQ) | Jamie Collins | <i>[Signature]</i> | 2/18/2019 | 1710 |
| RP IC | Rob Honsberger | <i>[Signature]</i> | 2/18/2019 | |
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INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

- ☒ ICS 202 (Incident Objectives)
- ☒ ICS 202A (Command Direction)
- ☒ ICS 203 (Organization List) – OR – ICS 207-CG (Organization Chart)
- ☒ ICS 204 (Assignment Lists)
- ☒ ICS 205 (Communications Plan)
- ☒ ICS 206 (Medical Plan)
- ☒ ICS 207 (Org Chart)
- ☒ ICS 208 (Site Safety Plan) or Note SSP Location - Revised 17 Feb 2019
- ☒ Map / Chart
- ☒ Weather Forecast / Tides/Currents

Other Attachments

- ☒ ICS 232-OS (Resources at Risk Summary)
- ☒ Sampling and Analysis Plan
- ☒ Waste Management Plan – Revised 18 Feb 2019
- ☒ Inadvertent Discovery Plan for Cultural Resources
- ☐
- ☐
- ☐

4. Prepared by:

Ross McMakin - NWFF

Date/Time

18 Feb 2019 / 1530

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| 1. Incident Name: | | 2. Operational Period: (Date / Time) | | INCIDENT OBJECTIVES | |
| Lindsey Lake Tanker Truck Spill | | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | | ICS 202 - EPA | |
| 3. Incident Objective(s): | | | | | |
| <ol style="list-style-type: none"> 1. Ensure safety of responders and members of the public 2. Manage the response in a coordinated manner 3. Prevent the migration of contamination 4. Contain spilled material using hard and soft boom 5. Recover as much product as safely possible while minimizing environmental, cultural, and economic impacts 6. Keep the public and stakeholders informed 7. Characterize the extent of subsurface contamination and evaluate removal options | | | | | |
| 4. Operational Period Command Emphasis. (Priorities, Key Discussions/Directions): | | | | | |
| <ol style="list-style-type: none"> 1. Continue to use soft and hard boom, and absorbent pads to collect as much spilled material as possible 2. Maintain boom placed in Lindsey Lake and stop the spread of contamination to the lake during flushing operations; reposition as necessary. 3. Use water flushing to wash roadway and drainage ditch to mobilize spilled diesel and use a vacuum-truck to recover fuel 4. Utilize heating unit to assist in melting of impacted snow 5. Complete installation of sparging equipment in Lindsey Lake 6. Excavate impacted snow and transport off-site to NRC disposal facility 7. Continue characterization the extent of contamination and evaluate removal options 8. Notify Unified Command immediately with any of the following critical information: <ol style="list-style-type: none"> a. If there are any rushes or surges of product to the road surface or lake b. Sheen is observed outside of the primary containment zone c. Contaminated, injured, or dead wildlife d. Any responder requires more than simple first-aid treatment e. Any wrecks or accidents along the roadway (whether related to the incident or not) f. Any VIP, elected officials, or media are observed in or near any of the work areas g. Any inadvertent cultural resource/archeological discovery | | | | | |
| 5. General Situation Awareness (Safety bullets, Weather, etc...): | | | | | |
| <p>***Full-face respirators must be worn when working in areas where total VOC samples are observed to exceed 10ppm***</p> <p>All workers and people in any areas of contamination must be in at least Level-D PPE and increase to Level-C as necessary.</p> <p>Workers should dress warmly, and monitor self and peers for symptoms of hypothermia. Given the extra layers of clothing, workers should properly hydrate throughout the day to avoid dehydration.</p> <p>Roadway surfaces, lake banks, and wetlands are wet, icy and/or covered in snow; there are a number of very slick rocks. Workers should be mindful of very slippery conditions and avoid slips, trips, and falls.</p> <p>Light flurries are expected throughout the day, but no accumulation is expected.</p> <p>Exercise safe work practices while working along the highway. Traffic control will take place on both east bound and west bound sides of highway. Work facing traffic whenever possible. Maintain awareness of surroundings at all times. Watch for heavy equipment, do not enter the swing radius of an excavator without eye contact and a signal from the operator.</p> | | | | | |
| Approved Site Safety Plan Located at: ICP | | | | | |
| 6. Prepared By: (PSC) | | | | (Date / Time) | |
| Name: Ross McMakin – NWFF | | | | Signature: | |
| INCIDENT OBJECTIVES | | | ICS 202 - EPA (Rev 02/10) | | |

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|-----------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|-----------------------|-----------------------------------------------------------|--|
| 1. Incident Name: | | 2. Operational Period (Date / Time) | | ORGANIZATION ASSIGNMENT LIST ICS 203 - EPA | |
| Lindsey Lake Tanker Truck Spill | | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | | | |
| 3. INCIDENT COMMANDER / COMMAND STAFF: | | 7. OPERATION SECTION: | | | |
| Incident Commander(s) | Jeffrey Fowlow, EPA Jamie Collins, OR OSC Rob Honsberger, RPIC | Chief | Shiloh McConnel, NWFF | | |
| Deputy | John Berger, NWFF | Deputy | | | |
| Safety Officer | Chuck Carver, NWFF | Deputy | | | |
| Information Officer | Mark MacIntyre, EPA Laura Gliem/Jennifer Flynt, OR DEQ | Staging Area Manager | | | |
| | | | | | |
| 4. AGENCY REPRESENTATIVES: | | Branch 1 | | | |
| OR DOT | Charles Schwarz | Deputy | | | |
| OPRD | Mark Stevenson | Division/Group | A | On-water Ops – Seth Williams | |
| | | Division/Group | B | South side of Hwy – Alan Dimock | |
| | | Division/Group | C | South Side of Hwy - | |
| 5. PLANNING SECTION: | | Branch 2 | | | |
| Chief | Matt Magorrian, EPA | Director | | | |
| Deputy | | Deputy | | | |
| Resources Unit | Steve Lemelin, NWFF | Division/Group | | | |
| Situation Unit | | Division/Group | | | |
| Environmental Unit | Charles Kennedy, ODEQ | Division/Group | | | |
| Deputy Environmental | Don Pettit, ODEQ | Division/Group | | | |
| Demobilization Unit | | Branch 3 | | | |
| Technical Specialist | Faye Walstead-Keelan, EPA Contractor | Director | | | |
| Technical Specialist | Bryon Alexander, EPA Contractor | Deputy | | | |
| | | Division/Group | | | |
| 6. LOGISTICS SECTION: | | Division/Group | | | |
| Chief | Ross McMakin - NWFF | Division/Group | | | |
| Deputy | | 8. FINANCE/ADMINISTRATION SECTION: | | | |
| | | Chief | | | |
| a. Support Branch | | Time Unit | | | |
| Director | | Procurement Unit | | | |
| Supply Unit | | Compensation/Claims Unit | | | |
| Facilities Unit | | Cost Unit | | | |
| Ground Support Unit | | NOTES: | | | |
| Transportation Unit | | | | | |
| b. Service Branch | | | | | |
| Director | | | | | |
| Communications Unit | | | | | |
| Medical Unit | | | | | |
| Food Unit | | | | | |
| 9. Prepared By: | | | | (Date / Time) | |
| Name: Ross McMakin - NWFF | | Signature: | | | |
| ORGANIZATION ASSIGNMENT LIST | | | | ICS 203 - EPA (Rev 02/10) | |

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| 1. Incident Name: | | 2. Operational Period: (Date / Time) | | ASSIGNMENT LIST ICS 204 - EPA | |
| Lindsey Lake Tanker Truck Spill | | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | | | |
| 3. Branch: | | 4. Division/Group/Staging: | | | |
| Division A – On Water | | ODOT Weigh Station | | | |
| 5. Operations Personnel: | | | | | |
| ICS Position | Name | Affiliation | Contact # (s) | | |
| Operations Section Chief: | Shiloh McConnell | NWFF | 541-231-2619 | | |
| Branch Director: | | | | | |
| Division/Group Supervisor/STAM: | Seth Williams | NWFF | 541-745-8288 | | |
| Resources Assigned: "X" indicates 204a attachment with additional instructions | | | | | |
| Strike Team/Task Force/ Resource Identifier | Leader | Contact Info. # | # of Persons | Reporting Info/Notes/Remarks | |
| NWFF Technicians | Alex Plawman | 541-231-0445 | 4 | | |
| | | | | | |
| | | | | | |
| 7. Work Assignments: | | | | | |
| Check and maintain hard boom in place and deploy more boom if necessary Check and replace soft boom as necessary Provide boat transportation as needed to resource trustee representatives (NOAA/USFWS/ODFW) and air monitoring crews Assist Land Operations Group as needed with flushing and recovery operations | | | | | |
| 8. Special Instructions: | | | | | |
| PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor, or any cultural or historic artifacts. Reflective vests are required to be worn when on or near the highway. Hard hats must be worn while any over-head operations are ongoing. ***Full-face respirators with Super defender cartridges MUST be worn when working in areas that exceed 10ppm total VOC*** | | | | | |
| 9. Communications (radio and/or phone contact numbers needed for this assignment): | | | | | |
| Name/Function | Radio: Freq./System/Channel | Phone | Cell/Pager | | |
| All responders | Channel 1 | | | | |
| | | | | | |
| Emergency Communications: 911 and Safety Officer: 541-740-3272 | | | | | |
| 10. Prepared by: (RESL) (Date / Time) | | 11. Reviewed by: (PSC) (Date / Time) | | 12. Reviewed by: (OPS) (Date / Time) | |
| Name: Ross McMakin – NWFF 19 Feb 1530 | | Name: Matt Magorrian, USEPA, PSC 2/18/19 @1515 | | | |

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| 1. Incident Name: | | 2. Operational Period: (Date / Time) | | ASSIGNMENT LIST ICS 204 - EPA | |
| Lindsey Lake Tanker Truck Spill | | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | | | |
| 3. Branch: | | 4. Division/Group/Staging: | | | |
| Division B – North side of Hwy | | ODOT Weigh Station | | | |
| 5. Operations Personnel: | | | | | |
| ICS Position | Name | Affiliation | Contact # (s) | | |
| Operations Section Chief: | Shiloh McConnell | NWFF | 541-231-2619 | | |
| Branch Director: | | | | | |
| Division/Group Supervisor/STAM: | Alan Dimock | NWFF | 971-352-5449 | | |
| Resources Assigned: "X" indicates 204a attachment with additional instructions | | | | | |
| Strike Team/Task Force/ Resource Identifier | Leader | Contact Info. # | # of Persons | Reporting Info/Notes/Remarks | |
| WFS Technicians | Jamie Redon | 509-759-5773 | 7 | | |
| | | | | | |
| | | | | | |
| 7. Work Assignments: | | | | | |
| <p>Continue flushing and recovery operations once traffic control has been established in westbound travel lane. Follow OWRD regulations while drafting water (up to 100,000 gallons) from Lindsey Lake, including use of protective screen to minimize harm to fish and wildlife. Ensure recovery equipment is in place at collection point prior to beginning any flushing operations. Utilize water tender to flush snow, ice, and accumulated diesel fuel from embankment. Simultaneously employ skimmer and/or vacuum truck to recover any fuel or oily water that then accumulates at collection point at Lindsey Lake. Employ best tactics to maximize recovery of oil and minimize recovery of water. Decanting not permitted unless allowed by FOSC. Vacuum truck should be on standby at ODOT weigh station before flushing commences. Transport any diesel fuel or oily water recovered to Baker tank staged at Wyeth State Park. If time permits, utilize long-reach crane to recover any stockpiled solid waste (sorbent or sorbent boom) from Lindsey Lake shoreline to waiting tub truck. Dispose of solid waste in accordance with all applicable Federal and State regulations.</p> <p>Check and maintain soft boom and replace if needed along shoreline.</p> <p>Complete installation of a cut trench mid-slope, approximately 1-2 feet and fill with absorbent boom.</p> <p>Utilize additional boat to the lake to assist with on-water recovery of contaminants.</p> <p>Dig a ditch at the base of the cliff adjacent to the eastbound lanes, approximately 1-foot deep; install absorbent boom to collect melting contamination..</p> | | | | | |
| 8. Special Instructions: | | | | | |
| <p>PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor. Be cautious of slippery slopes and rocky terrain. ***Full-face respirators with Super defender cartridges MUST be worn when working in areas that exceed 10ppm total VOC***</p> | | | | | |
| 9. Communications (radio and/or phone contact numbers needed for this assignment): | | | | | |
| Name/Function | Radio: Freq./System/Channel | Phone | Cell/Pager | | |
| All responders | Channel 1 | | | | |
| | | | | | |
| Emergency Communications: 911 and Safety Officer: 541-602-5318 | | | | | |
| 10. Prepared by: (RESL) (Date / Time) | | 11. Reviewed by: (PSC) (Date / Time) | | 12. Reviewed by: (OPS) (Date / Time) | |
| Name: Ross McMakin – NWFF 02/18/19 1530 | | Name: Matt Magorrian, USEPA, PSC 2/18/19 @1515 | | | |

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| 1. Incident Name: Lindsey Lake Tanker Truck Spill | 2. Operational Period: (Date / Time) From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | ASSIGNMENT LIST ICS 204 - EPA | | |
| 3. Branch: Division C – South Side of Hwy | 4. Division/Group/Staging: ODOT Weigh Station | | | |
| 5. Operations Personnel: | | | | |
| ICS Position | Name | Affiliation | Contact # (s) | |
| Operations Section Chief: | Shiloh McConnell | NWFF | 541-231-2619 | |
| Branch Director: | | | | |
| Division/Group Supervisor/STAM: | Clive Bailey | WFS | | |
| Resources Assigned: "X" Indicates 204a attachment with additional instructions | | | | |
| Strike Team/Task Force/ Resource Identifier | Leader | Contact Info. # | # of Persons | Reporting Info/Notes/Remarks |
| Technicians | Clive Bailey | | 4 | |
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| 7. Work Assignments: Maintain a safe work zone at all times. Coordinate with traffic control to ensure safe entrance and exit of vehicles and equipment from the highway. Utilize excavator and loader to remove impacted snow from the south side shoulder of the highway. Complete deployment of soft boom along east side of Lindsey Creek Use sorbent and vac truck to recover liquid product and oily water waste from roadway and shoulder | | | | |
| 8. Special Instructions: PFDs are to be worn at all times, while on or within 10' of water (including ice covered water). Crews should be very aware of low water temperatures. Employ the buddy system while on or near the water. Immediately report any sighting of dead or injured fish or wildlife to supervisor. Be cautious of slippery slopes and rocky terrain. ***Full-face respirators with Super defender cartridges MUST be worn when working in areas that exceed 10ppm total VOC*** | | | | |
| 9. Communications (radio and/or phone contact numbers needed for this assignment): | | | | |
| Name/Function | Radio: Freq./System/Channel | Phone | Cell/Pager | |
| | Channel 1 | | | |
| | | | | |
| Emergency Communications: 911 and Safety Officer: 541-602-5318 | | | | |
| 10. Prepared by: (RESL) (Date / Time) Name: Ross McMakin – NWFF 2/18/19 1530 | 11. Reviewed by: (PSC) (Date / Time) Name: Matt Magorrian, USEPA, PSC 2/18/19 @1515 | 12. Reviewed by: (OPS) (Date / Time) | | |

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| INCIDENT RADIO COMMUNICATIONS PLAN | 1. Incident Name: | | 2. Operational Period: (Date / Time) | | INCIDENT RADIO COMMUNICATIONS PLAN ICS 205 - EPA |
| | Lindsey Lake Tanker Truck Spill | | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | | |
| | 3. Basic Radio Channel Use: | | | | |
| | SYSTEM / CACHE | CHANNEL | FUNCTION | FREQUENCY | ASSIGNMENT |
| Motorola | 1 | All staff | 164.4500 | All staff | Keep radio communication short, concise, and professional. |
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| 4. Prepared by: (Communications Unit) | | | | | (Date / Time) |
| Name: Ross McMakin – NWFF 2/28/19 1530 | | | Signature: | | |

ICS 205 – EPA

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|----------------------------------------|-----------------|-------------------------------------------------|----------------------------|--------------------------------------------------------------|
| 1. Incident Name: | | 2. Operational Period: Date / Time) | | INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA |
| Lindsey Lake Tanker Truck Spill | | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | | |
| 3. Communication Contact List: | | | | |
| NAME | POSITION | PHONE NUMBER | AGENCY / AFFLIATION | EMAIL ADDRESS |
| Jeff Fowlow | Federal IC | 206-225-5582 | EPA | Fowlow.jeffrey@epa.gov |
| Jamie Collins | State IC | 541-321-3124 | ODEQ | |
| Rob Honsberger | RP IC | 206-856-6679 | HydroCon | roberth@hydroconllc.net |
| John Berger | Dep IC | 541-740-4241 | NWFF | |
| Alan Dimock | SO | 541-602-5318 | NWFF | |
| Jennifer Flynt | PIO | | ODEQ | |
| Laura Gleim | PIO | | ODEQ | |
| Mark MacIntyre | PIO | | EPA | |
| Scott Smith | LNO | | ODEQ | |
| Matt Magorrian | PSC | 206-437-9327 | EPA | Magorrian.matthew@epa.gov |
| Charles Kennedy | ENVL | 541-650-2326 | ODEQ | |
| Allison Kinney | ENV | 319-936-5369 | BergerABAM | |
| Bryon Alexander | EU Tech | 208-970-0564 | EPA/E&E | |
| Faye Walstead-Keelan | EU Tech | 503-741-0383 | EPA/E&E | |
| Shiloh McConnell | OPS SC | 541-231-2619 | NWFF | |
| Glenn Thor | OPS | 541-609-1969 | NWFF | |
| Alex Plawmen | OPS | 541-231-0445 | NWFF | |
| Arturo Gutierrez | OPS | 509-930-1688 | WFS | |
| Cesar Monroy | OPS | 541-243-2977 | NWFF | |
| Charles Schwerz | OPS | 503-880-9074 | OR DOT | |
| Chris Daschel | OPS | 503-891-4128 | HydroCon | |
| Clive Bailey | OPS | 509-985-7570 | WFS | |
| Daniel Holmes | OPS | | NRC | |
| Josh Rairden | OPS | 541-453-5896 | K&B | |
| Juan Diaz | OPS | 509-406-9118 | WFS | |
| Kevin Rairden | OPS | 541-602-9166 | K&B | |
| Robert Jones | OPS | | WFS | |
| Ross McMakin | LSC | 541-231-2618 | NWFF | |
| Seth Williams | OPS | 541-745-8288 | NWFF | |
| Stan Jensen | OPS | | NRC | |
| Jamie Redom | OPS | 509-759-5773 | WFS | |
| 4. Prepared by: | | | (Date / Time) | |
| Name: Ross McMakin – NWFF 2/18/19 1530 | | Signature: | | |
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|---------------------------------|--|-------------------------------------------------|--|---------------------------------------|--|
| 1. Incident Name: | | 2. Operational Period: (Date / Time) | | MEDICAL PLAN ICS 206 - EPA | |
| Lindsey Lake Tanker Truck Spill | | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | | | |

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|---------------------------------|----------------------------------------------------------------------|-----------|--------------------------|--|
| 3. Medical Aid Stations: | | | | |
| Name | Location | Contact # | Paramedics On Site (Y/N) | |
| ODOT Weigh Station | ODOT Weigh Station on North side of I-84 just East of the spill site | None | N | |
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|---------------------------|----------------------------------------|-----------|------------------|-----|
| 4. Transportation: | | | | |
| Ambulance Service | Address | Contact # | Level of Service | |
| | | | ALS | BLS |
| Hood River FD | Hood River, 5 miles East of spill site | 911 | X | X |
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| 5. Hospitals: | | | | | | | |
|----------------------------------|------------------------------------------------|--------------|-------------|--------|-------------------|---------------|---------------------|
| Hospital Name | Address | Contact # | Travel Time | | Burn Center (Y/N) | Helipad (Y/N) | Trauma Center (Y/N) |
| | | | Air | Ground | | | |
| Providence Memorial – Hood River | 811 13 th Street, Hood River, OR | 541-436-4500 | | X | X | X | X |
| Mid-Columbia Medical Center | 1700 E 19 th Street, the Dalles, OR | 541-295-1111 | | X | X | X | X |
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| 6. Special Medical Emergency Procedures: | |
| <p>Due to extreme cold and weather conditions, hypothermia is a concern. Dehydration is also a concern so personnel must stay hydrated. In the event a person falls into the water, evacuate them to the ICP immediately, and place them in a warm, dry area; remove wet clothing to prevent progression of hypothermia.</p> | |

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|----------------------------------------------|----------------------|-----------------------------------------|----------------------|
| 7. Prepared by: (Medical Unit Leader) | (Date / Time) | 8. Reviewed by: (Safety Officer) | (Date / Time) |
| Name: Ross McMakin – NWFF 2/18/19 1530 | | | |

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| MEDICAL PLAN | ICS 206 – EPA <small>(Rev 02/10)</small> |
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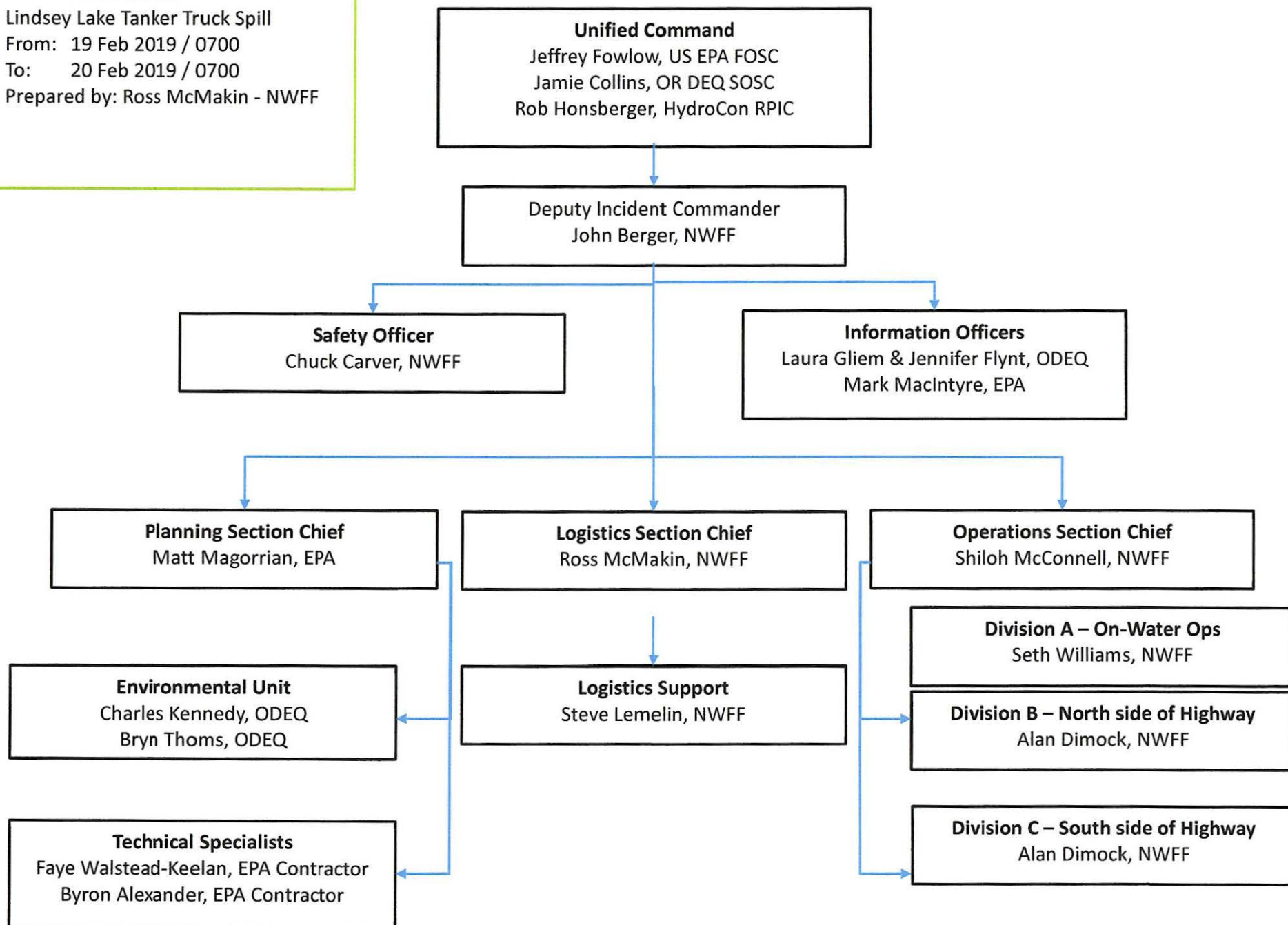
ICS-207 ORG CHART

Lindsey Lake Tanker Truck Spill

From: 19 Feb 2019 / 0700

To: 20 Feb 2019 / 0700

Prepared by: Ross McMakin - NWFF



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|--------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------|--|
| Incident Name: | | 2. Operational Period: (Date / Time) | | DAILY MEETING/ CONFERENCE CALL SCHEDULE ICS 230 - EPA | |
| Lindsey Lake Tanker Truck Spill | | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | | | |
| 3. Meeting Schedule (Commonly-held meetings are included) : | | | | | |
| Date/ Time | Meeting Name | Purpose | Attendees | Location | |
| Daily 7:30am | OPERATIONS Briefing | 30-minutes Present the IAP to responders; brief oncoming ops section on daily operations | PSC Facilitates All Command & General Staff, all Operations staff | Viento Park ICP Briefing tent | |
| Daily 10:30am | COMMAND & GENERAL STAFF Meeting | 30-minutes UC to provide updates, decisions and management directives to command & General Staff | PSC Facilitates All Command & General staff, SITL | Viento Park ICP Briefing Tent | |
| Daily 1:00pm | TACTICS Meeting | 30-minutes Develop plans for the following operational period | PSC Facilitates Operations, Safety, Logistics, Resources, Situation | Viento Park ICP Command Trailer | |
| Daily 4:30pm | PLANNING Meeting | 45-minutes Define incident objectives, strategies and tactics, and identify resource needs | PSC Facilitates All Command & General staff, Resources, Situation | Viento Park ICP Briefing Tent | |
| 4. Special and Other Meetings: | | | | | |
| Daily 3:30pm | All IAP Docs Due | All documents for the IAP are due to ICP | All staff | Magorrian.matthew@epa .gov & Ross_McMakin@nwffenvi ro.com | |
| Daily 6:00pm | Daily operations terminate | All operations terminate, ICP closes | All staff | N/A | |
| | | | | | |
| 5. Prepared by: (PSC) | | | | (Date / Time) | |
| Name: Ross McMakin – NWFF 2/18/19 1530 | | | Signature: | | |
| DAILY MEETING SCHEDULE | | | | ICS 230 - EPA (Rev 02/10) | |

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|---------------------------------|-------------------------------------------------|-------------------------------------------------------|
| 1. Incident Name: | 2. Operational Period: (Date / Time) | RESOURCES AT RISK SUMMARY ICS 232-OS |
| Lindsey Lake Tanker Truck Spill | From: 19 Feb 2019 / 0700 to: 20 Feb 2019 / 0700 | |

3. Environmentally-Sensitive Areas and Wildlife Issues

Overall Objectives of Response – (#1) Safety of public and responders, (#2) Contain and recover diesel fuel against shoreline at seepage point, (#3) Protect wetlands and natural resources in Lindsey Lake and Lindsey Creek, (#4) Prevent fuel from moving into Columbia River

| Site # | Priority | Site Name and/or Physical Location | Site Issues |
|---------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hwy MP 53.8 Columbia River Mile 158.8 | 1 | Lindsey Lake (AKA Lindsey Pond) Source Control – Install containment boom against shoreline in area of product seepage, line with adsorbent boom to capture oil and keep oil out of lake. Replace sorbent boom as indicated by rate of oil saturation. | Length: 2,500' Boom – B2 (Contractor Boom) or equivalent. Sweeps or sorbent boom backing B2 to adsorb oil until small skimmer or vacuum truck can be placed/operated. Objective: Containment & Recovery – Keep oil contained to limit impacts to Lindsey Lake. Resource concerns: Sensitive nesting species, waterfowl and salmon concentrations and habitat. |
| B 158.8L | 2 | Lindsey Lake (Cascade Locks, OR) | Length: 300' Boom – B2 (Contractor Boom) or equivalent. <u>Use 100' in "V" shape within Lindsey Lake at culvert through railway levee.</u> Use additional 200' of boom in "V" shape in Columbia River on opposite side of levee as secondary containment for river. Objective: Exclusion – Keep oil in Lindsey Lake from reaching Columbia River by blocking outfall/inlet to lake. Resource concerns: Sensitive nesting species, waterfowl and salmon concentrations and habitat. Fish passage must be maintained by keeping boom at distance from passage culvert. |

Narrative

Habitat Concerns: Islands, sloughs and wetlands provide critical resting and feeding areas for wildlife and serve as important rearing areas for resident fish and juvenile salmonids. Various deep and shallow water river habitats support a reported 48 species of freshwater fish including species important to sport fishery such as trout, walleye, bass, sunfish, catfish and sturgeon. Additionally, numerous other small generally shallow water species such as dace, shiner, mosquitofish stickleback and sculpins occur here and serve as important food sources for birds, larger fish and other wildlife. Their occurrence in shallow water makes them more susceptible to the toxic effects of petroleum. Riparian habitats are heavily used by wildlife including river otter, beaver and raccoon.

Wildlife Concerns: This area is located on a major artery of the Pacific Flyway used primarily in October through February. Large numbers of waterfowl present, Pied-billed Grebe, Double-crested Cormorant, Canada Geese, Blue, Green, and Cinnamon Winged Teal, Mallard, Gadwall, Northern Shoveler, Redhead, ring-necked Duck, Lesser Ruddy Duck, Common Merganser, Lesser Scaup, Bufflehead, American Wigeon, Ring-billed Gulls, American Coot, Blue Herons and American White Pelicans are common in Fall. Bald Eagles are in the area and will prey on injured waterfowl. River otters, mink and beaver are present and vulnerable to oil exposure.

Fish Concerns: Sloughs and impoundments are critical rearing habitat for both salmonids and resident fish. Adult and juvenile Fall Chinook, Coho and Steelhead runs are passing through the area in September and early October. Overwintering juvenile Coho and Chinook will be using the nearshore and backwater areas.

Threatened & Endangered Species Concerns: Listed stocks include: Upper Columbia River Spring [FE], Snake River Spring, summer, and Fall Chinook [FT], Snake River Sockeye salmon [FE] and upper Columbia River steelhead [FT], Snake River Steelhead [FT]. American White Pelican [SE]

Juvenile coho, winter steelhead, and Redband trout are present in Lindsey Creek which enters Lindsey Lake (pond) at natural delta to west of spill seepage front on bank against the highway.

Report any observations of impacted fish, waterfowl or other wildlife to Operations Section Chief, ODFW (Jon Germond @ 503-947-6088) and USFWS (Mike Szumski @ 541-867-4550) immediately upon discovery.

4. Archaeo-cultural and Socio-economic Issues

| Site # | Priority | Site Name and/or Physical Location | Site Issues |
|---------------------|----------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N/A | 1 | Sensitive tribal cultural sites | To be identified through consultation with local tribes and the Oregon State Historical Preservation Office . Initial consultations with SHPO and all four Federal treaty tribes with interests in the region indicated no resources are present in the immediate vicinity of the site; see below. Notifications to the tribes and SHPO were made between 2/12/19 and 2/13/19. |
| B-155.7L and others | 1 | Tribal fishing sites (numerous along Oregon shoreline) from site to Bonneville Dam | Fishing from scaffolds along the river and use of In-Lieu Sites (such as the Wyeth In-Lieu Site at RM 155.7L) have the potential for impacts from river operations (including boat launching with permission) during the response. CRITFC has been notified and continues on the response in a liaison capacity. |

| | | | |
|------------|---|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N/A | 2 | Columbia River Gorge National Scenic Area | Scenic, cultural, recreational, and natural resources. Coordination with CRGNSA initiated. Office closed due to inclement weather, left message with explanation of resource protection efforts and to call back with any questions or information (541-308-1700) |
| B-145.4-N | 2 | Bonneville Dam Fishway and USACE assets in area | Fishery resources. Notification to USACE made 2/11/2019 |
| N/A | 2 | Bonneville State park, Bonneville, OR | Public recreation. Notification to Oregon State Parks made 2/12/2019 |
| B-146.2L-N | 2 | Cascade Hatchery (Eagle Creek Hatchery) USFWS Facility | Notification to manager 503-801-3713 (advisory notification completed) 541-867-4550 |
| B-150.8L-N | 2 | City of Cascade Locks Water Intake | Call Public Works Foreman at 541-386- 2711 2616 (advisory notification completed via Sheriff's Emergency Line) |
| N/A | 2 | Oregon State Parks Department | Contact with OR State Parks made 2/12/2019 (Gary Curtis 541-388-6204) |

Narrative

Numerous culturally sensitive areas exist along the shorelines of the region. Tribal notifications have been made and coordination with Columbia River Intertribal Fisheries Commission and the Oregon State Historic Preservation Office is ongoing. Dennis Griffin with OR-SHPO has stated that there are no known archaeological sites in the response area. Advises to proceed, with due caution for unknown resources. See Inadvertent Discovery Plan for Cultural Resources, attached with this document.

5. Prepared by: (Environmental Unit Leader)

Date/Time

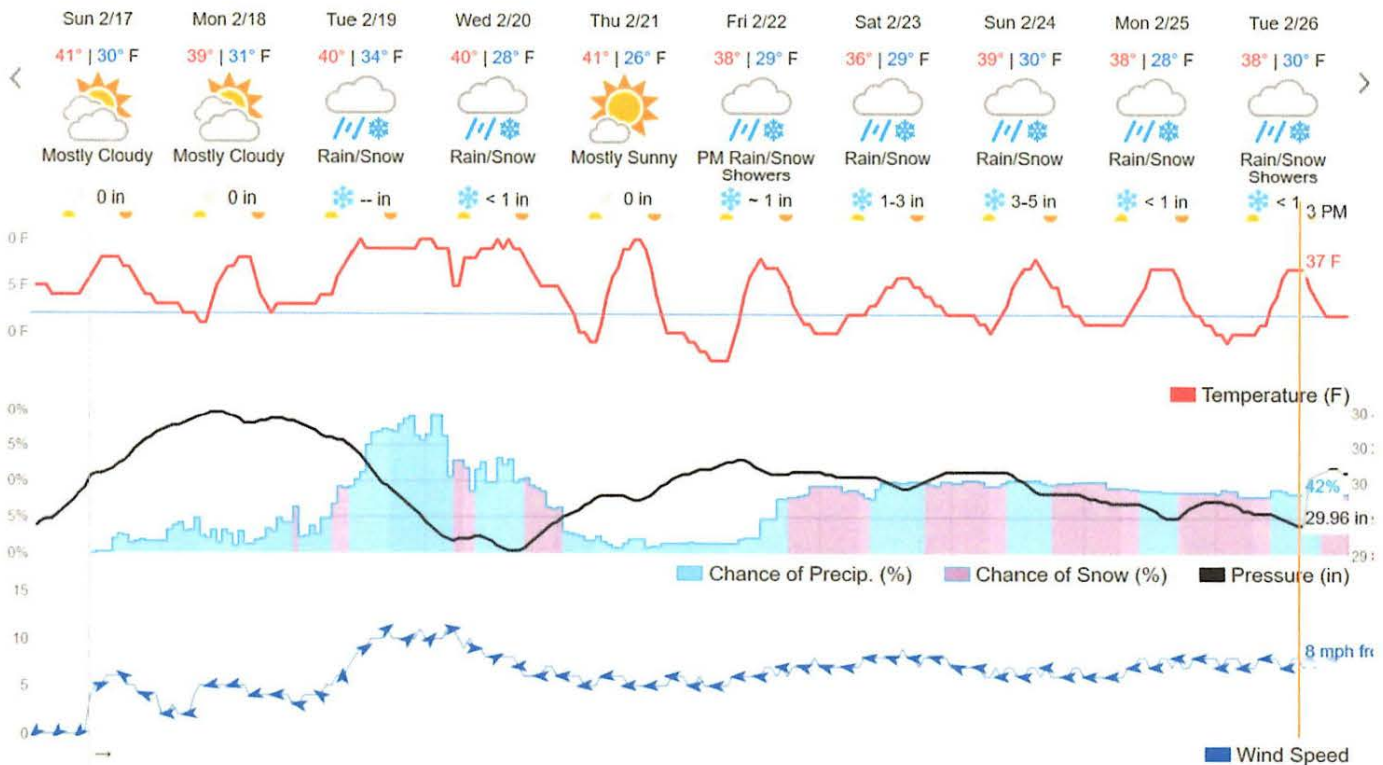
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2/14/2019 1500

RESOURCES AT RISK SUMMARY

ICS 232-OS

Weather Report for 2/19/2019



TUESDAY

Sky/weather.....Mostly cloudy in the morning then cloudy.

A chance of rain or snow in the morning,

then rain at times mid to late afternoon.

Snow level near River level in the morning

then rising to 1000 feet by the afternoon.

Chance of pcpn.....80 percent.

Max temperature.....37-40.

Min humidity.....70-80 percent.

Dewpoint.....Lower 30s.

Surface winds.....West to Northwest 2 to 6 mph, increasing to 6 to 11 mph with gusts to 18 mph in the afternoon.

Visibility.....6 miles or greater through late afternoon then 3 to 5 miles. Visibility 3 to 5 miles also possible in the morning.

EXTENDED OUTLOOK...

TUESDAY NIGHT...Rain. Snow level 1000 feet. Lows around 35. West wind 10 to 15 mph with gusts up to 30 mph. Chance of precipitation 90 percent.

WEDNESDAY...Rain showers. Snow level 1000 feet. Highs around 40. West wind 7 to 12 mph with gusts up to 25 mph. Chance of precipitation 90 percent.

WEDNESDAY NIGHT...Cloudy with a 50 percent chance of snow showers. Lows around 25. West wind 4 to 8 mph, becoming east after midnight.

THURSDAY...Partly sunny with a 20 percent chance of rain and snow showers. Highs around 40. Northeast wind 3 to 6 mph.

THURSDAY NIGHT...Partly cloudy. Lows around 25. East wind 2 to 5 mph.

FRIDAY...Partly cloudy with a 20 percent chance of snow. Highs 35 to 40. East wind 5 to 10 mph.

MAP 1 – Lower Columbia River – River Mile 159
Lindsey Lake



MAP 2 – Lower Columbia River – River Mile 159
Lindsey Lake Booming Strategy

